

Stormwater Monitoring Data EPL 1967

Analyte	Units	20 Jan 2017	17 Feb 2017	15 March 2017	04 April 2017	14 May 2017	03 June 2017
pH	pH	6.76	5.78	6.81	6.09	8.82	7.16
Aluminium (dissolved)	mg/L	0.008	0.25	<0.01	0.03	0.01	<0.01
Aluminium (total)	mg/L	2.26	3.08	0.56	1.35	1.05	0.61
Ammonia	mg/L	102	69.1	53.5	37	953	40.8
Arsenic ** (dissolved)	mg/L	NA	0.017	NA	NA	NA	NA
Arsenic ** (total)	mg/L	NA	0.019	NA	NA	NA	NA
Cadmium (dissolved)	mg/L	<0.001	0.002	<0.0001	0.0005	<0.0001	<0.0001
Cadmium (total)	mg/L	0.044	0.0088	0.0011	0.0026	0.0022	0.002
Lead (dissolved)	mg/L	0.717	<0.001	<0.001	<0.001	<0.001	<0.001
Lead (total)	mg/L	1.15	0.026	0.004	0.013	0.009	0.004
Mercury (dissolved)	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Mercury (total)	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Nitrate	mg/L	4.29	6.8	0.2	2.4	<0.05	1.86
Nitrite	mg/L	0.8	1	<0.05	0.1	<0.05	0.54
Total Nitrogen	mg/L	168	78	55.6	39.5	1210	49.1
Total Kjeldahl Nitrogen	mg/L	163	70.2	55.4	37	1210	46.7
Phosphate	mg/L	702	567	200	245	975	132
Phosphorus (dissolved reactive)	mg/L	144	176	65.5	70.1	282	40.1
Phosphorus (total)	mg/L	229	185	65.2	80	318	43.1
Sulfate	mg/L	186	345	46	85	682	189
Sulfur	mg/L	195	310	44	88	594	159
Sulfide (dissolved)	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Suspended Solids	mg/L	110	75	59	53	213	44
Zinc (dissolved)	mg/L	0.06	112	0.02	0.196	0.008	0.116
Zinc (total)	mg/L	0.21	1.93	0.312	0.590	0.588	0.455

** only required to be monitored following Sulphate of Ammonia operation

Analyte	Units	11 July 2017	03 August 2017	14 Sept 2017	October 2017	November 2017	December 2017
pH	pH	9.51	9.33	5.32	6.27	6.28	6.49
Aluminium (dissolved)	mg/L	0.04	0.16	1.54	0.02	0.02	0.07
Aluminium (total)	mg/L	2.84	1.10	2.21	1.0	2.14	1.4
Ammonia	mg/L	1780	1740	15.7	25.5	1190	18.4
Arsenic ** (dissolved)	mg/L	NA	NA	NA	NA	NA	NA
Arsenic ** (total)	mg/L	NA	NA	NA	NA	NA	NA
Cadmium (dissolved)	mg/L	<0.0001	0.0004	0.0023	0.0002	0.0002	<0.0001
Cadmium (total)	mg/L	0.0049	0.0029	0.012	0.0034	0.0043	0.0013
Lead (dissolved)	mg/L	0.001	0.001	<0.001	<0.001	<0.001	<0.001
Lead (total)	mg/L	0.176	0.031	0.011	0.021	0.005	0.021
Mercury (dissolved)	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Mercury (total)	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Nitrate	mg/L	<0.05	15.8	0.68	<0.05	28.2	2.64
Nitrite	mg/L	0.24	20.7	0.26	<0.05	1.8	0.36
Total Nitrogen	mg/L	1750	1880	44.2	36	1270	26.5
Total Kjeldahl Nitrogen	mg/L	1750	1840	43.3	36	1240	23.5
Phosphate	mg/L	149	33.4	380	66.8	4150	68.7
Phosphorus (dissolved reactive)	mg/L	14	8.22	122	18.5	1300	20.7
Phosphorus (total)	mg/L	48.5	10.9	124	21.8	1360	22.4
Sulfate	mg/L	191	178	266	76	1180	49
Sulfur	mg/L	195	142	230	100	1120	42
Sulfide (dissolved)	mg/L	<0.1	<0.1	0.1	<0.1	<0.1	<0.1
Total Suspended Solids	mg/L	363	143	101	127	241	65
Zinc (dissolved)	mg/L	0.067	0.512	2.96	0.1	0.085	0.11
Zinc (total)	mg/L	1.3	0.934	3.48	0.989	1.37	0.575

** only required to be monitored following Sulphate of Ammonia operation